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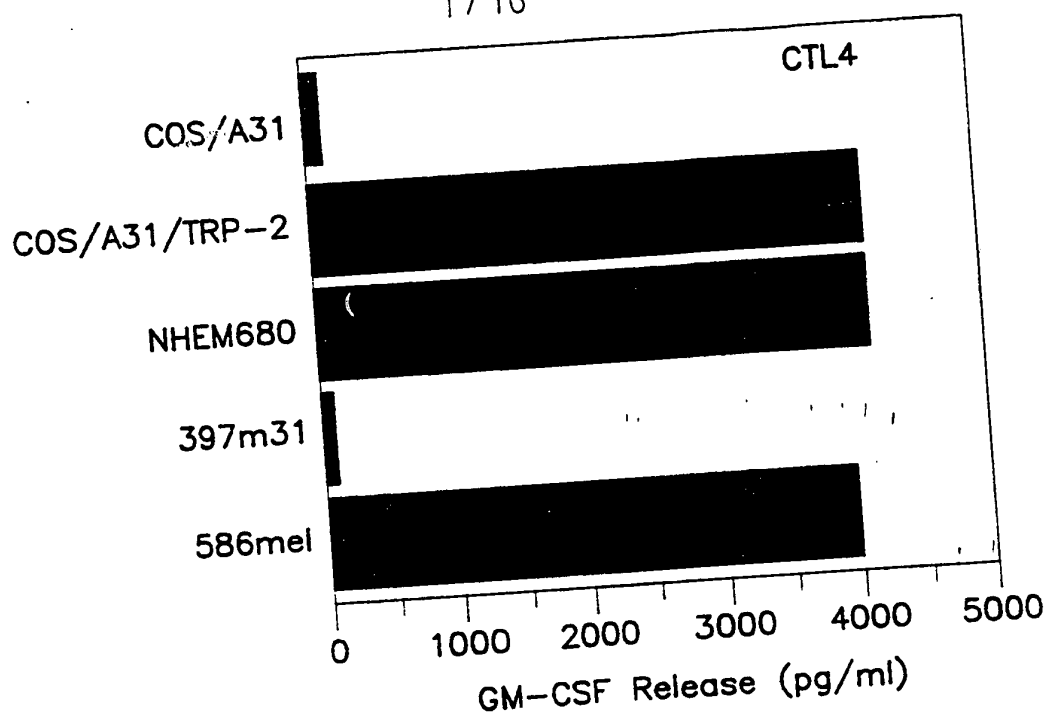


FIG. 1A

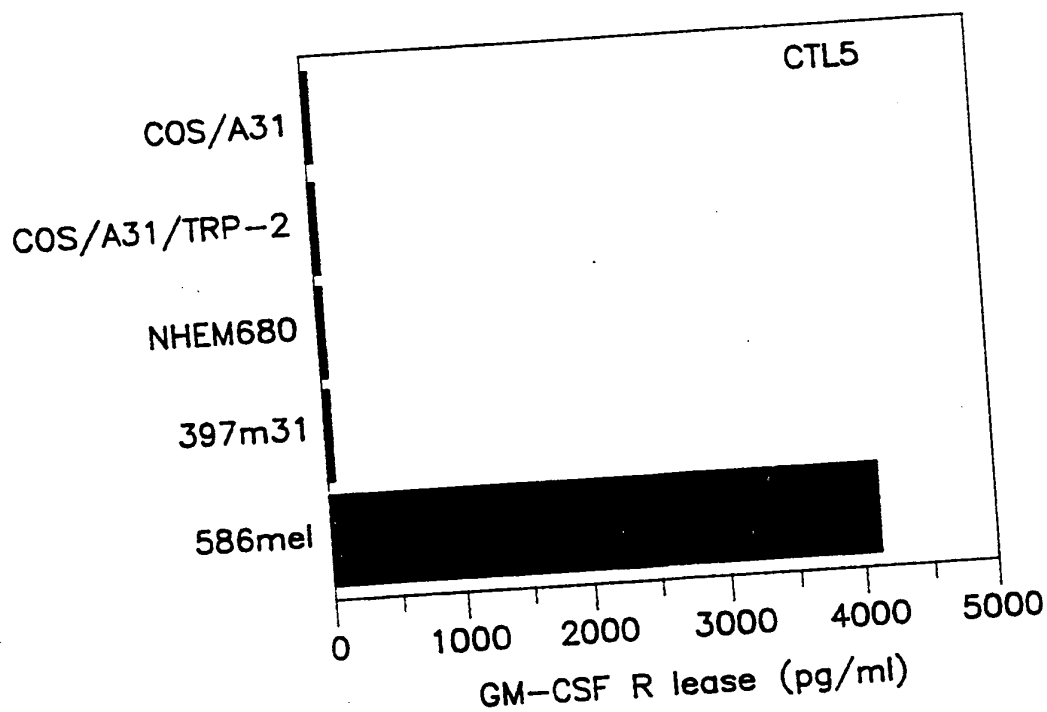


FIG. 1B



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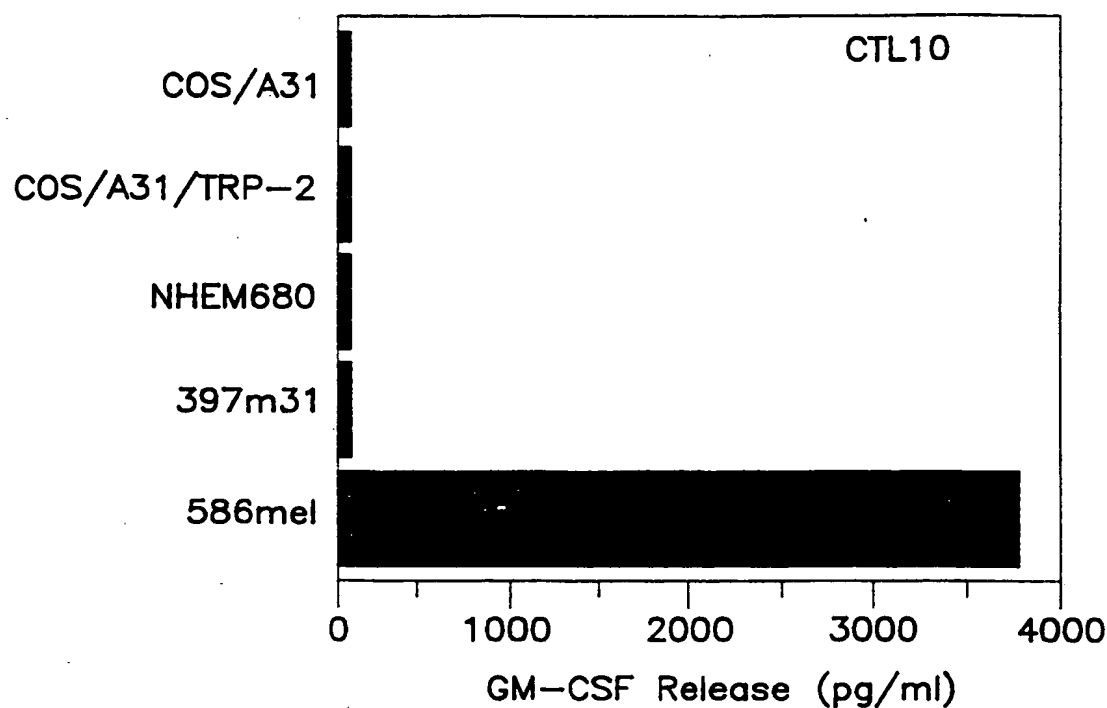


FIG. 1C

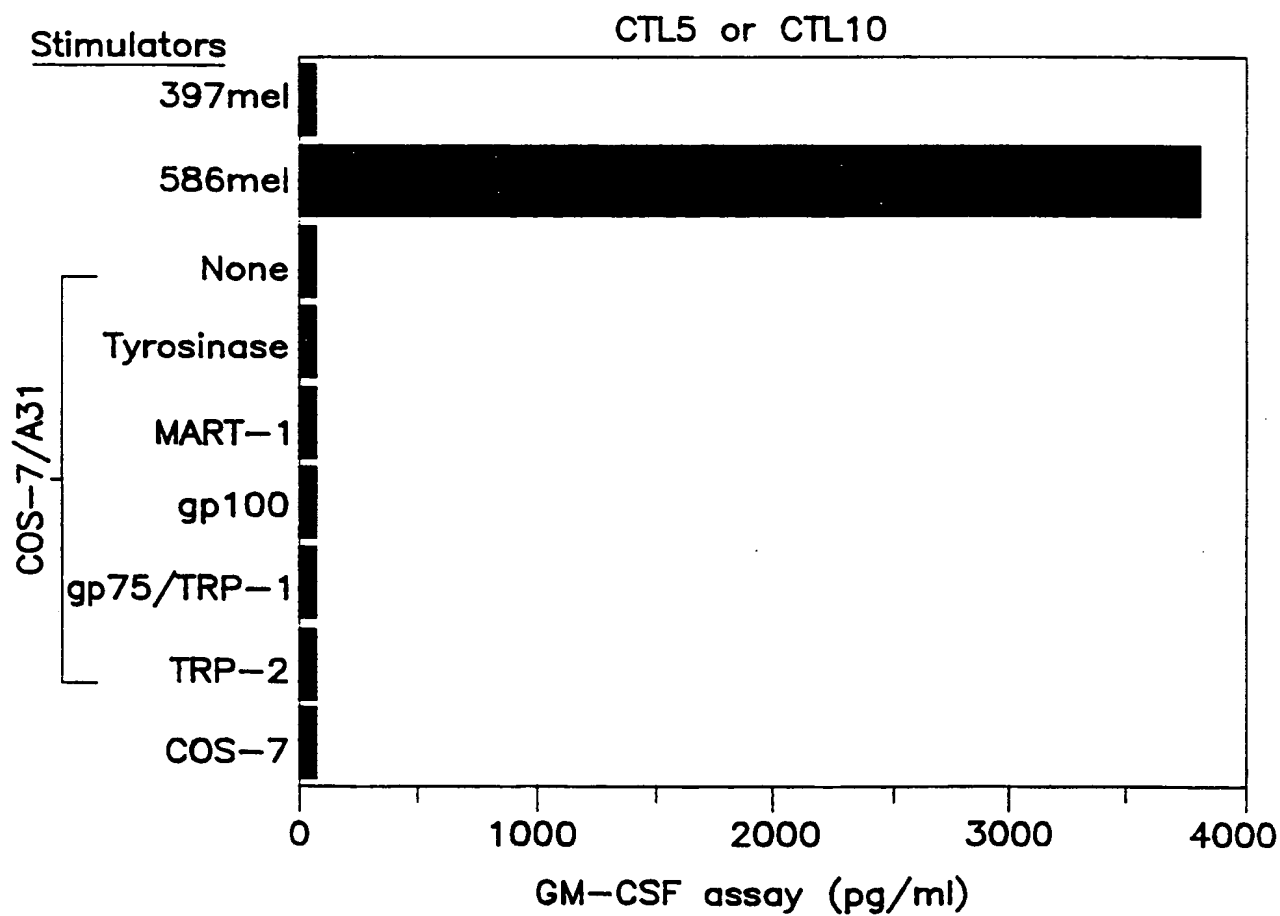


FIG. 2

SUBSTITUTE SHEET ( rule 26 )



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SEQ ID NO:1 AGCAGGGGGCGCTGTGTGTACCGAGAATACGAGAATACCTCGTGGGCCCTGACCTT

SEQ ID NO:2  
↓  
CTCTCTGAGAGCCGGGCAGAGGCTCCGGAGCCATGCAGGCCGAAGGCCGGGGCACA

(SEQ ID NO:4)ORF1▶ M Q A E G R G T  
SEQ ID NO:3  
↓  
GGGGGTTTCGACGGGCGATGCTGATGGCCCAGGAGGCCCTGGCATTCTGATGGCCC

ORF1▶ G G S T G D A D G P G G P G I P D G P

(SEQ ID NO:5)ORF2▶ M L M A Q E A L A F L M A

AGGGGGCAATGCTGGCGGGCCAGGAGAGGCGGGTGCCACGGGCGGCAGAGGTCCCC

ORF1▶ G G N A G G P G E A G A T G G R G P

ORF2▶ Q G A M L A A Q E R R V P R A A E V P

GGGGCGCAGGGGCAGCAAGGGCCTCGGGGCCGGGAGGAGGCGCCCCGCGGGGTCCG

ORF1▶ R G A G A A R A S G P G G G A P R G P

ORF2▶ G A Q G Q Q G P R G R E E A P R G V R

CATGGCGCGCGGCTTCAGGGCTGAATGGATGCTGCAGATGCGGGGCCAGGGGGCC

ORF1▶ H G G A A S G L N G C C R C G A R G P

ORF2▶ M A A R L Q G

FIG. 3A-1



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GGAGAGCCGCCTGCTTGAGTTCTACCTCGCCATGCCTTTCGCGACACCCATGGAAG  
ORF1▶ E S R L L E F Y L A M P F A T P M E  
CAGAGCTGGCCCGCAGGAGCCTGGCCCAGGATGCCCCACCGCTTCCCGTGCCAGGG  
ORF1▶ A E L A R R S L A Q D A P P L P V P G  
GTGCTTCTGAAGGAGTTCACTGTGTCCGGCAACATACTGACTATCCGACTCACTGC  
ORF1▶ V L L K E F T V S G N I L T I R L T A  
TGCAGACCACCGCCAACTGCAGCTCTCCATCAGCTCCTGTCTCCAGCAGCTTTCCC  
ORF1▶ A D H R Q L Q L S I S S C L Q Q L S  
TGTTGATGTGGATCACGCAGTGCTTTCTGCCCCGTGTTTTTGGCTCAGCCTCCCTCA  
ORF1▶ L L M W I T Q C F L P V F L A Q P P S  
GGGCAGAGGCGCTAAGCCCAGCCTGGCGCCCCCTTCCTAGGTCATGCCTCCTCCCCT  
ORF1▶ G Q R R  
AGGGAATGGTCCCAGCACGAGTGGCCAGTTCATTGTGGGGGCCTGATTGTTTGTCTG  
CTGGAGGAGGACGGCTTACATGTTTGTCTGTAGAAAATAAACTGAGCTACGAA  
AAAAAAAAAAAAAAAAAAAAA

FIG. 3A-2



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SEQ ID NO:60 ENT F E. coli 894 QAAATGGDARQLVGYLVSQSL-PLDTSAL--QAQLRETLPPHMPVLLQ 941

SEQ ID NO:57 + A G ++R L YL P++ + L + PP VP VLL+

SEQ ID NO:55 ESO-ORF1 77 RCGARGPESRLLEFYLAM-PFATPMEAEIA--RRSLAQDAPPLVPGVLLKEFTVSGNITLTIRL 137

SEQ ID NO:58 + G GP + LLEF L M P+ T + LA R SLA A LP+ +L E ++ G + +L

SEQ ID NO:61 TEGU HSV11 604 OAGVAGPAAALLEFTLNMLPWKTAVGDFLASTRLSLADVAHPLVQHVLDENSLIGRLALAKL 667

SEQ ID NO:56 ESO-ORF2 1 MLMAQEALAFMLAQGAMLAQAQERRV 25

SEQ ID NO:59 M EAL FLN Q M+ A + V

SEQ ID NO:62 GDH C.symb 348 MPTTNEALRFLMQQPNMNVVAPSKAV 372

FIG. 3B



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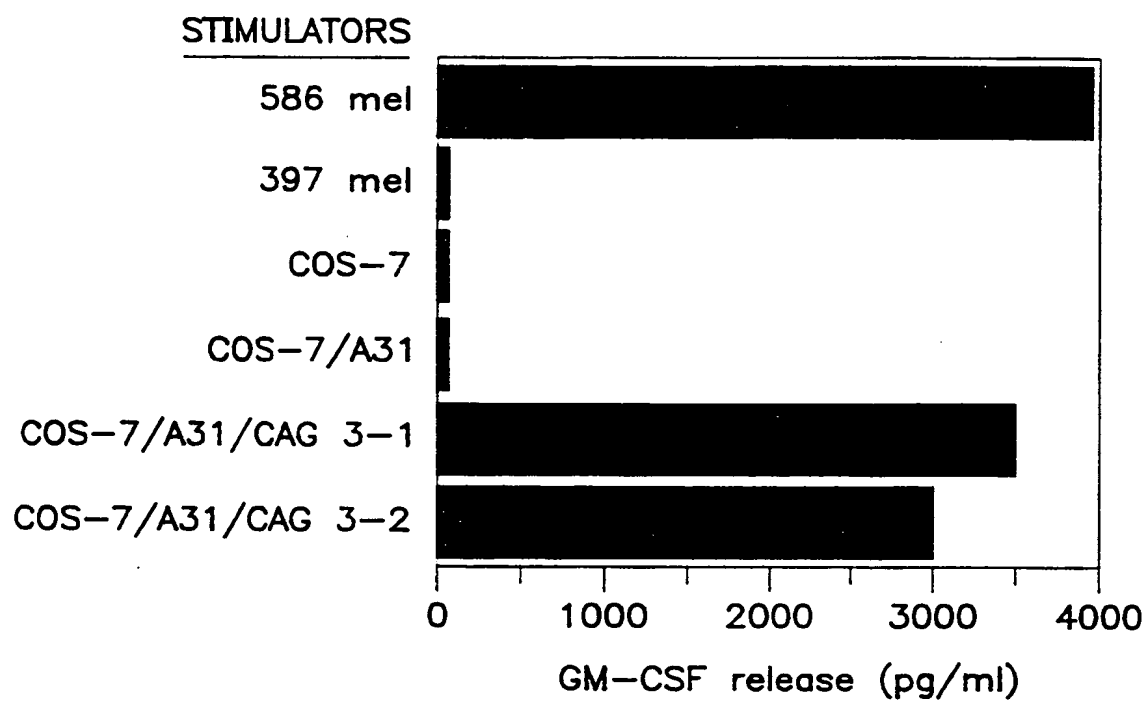


FIG. 4



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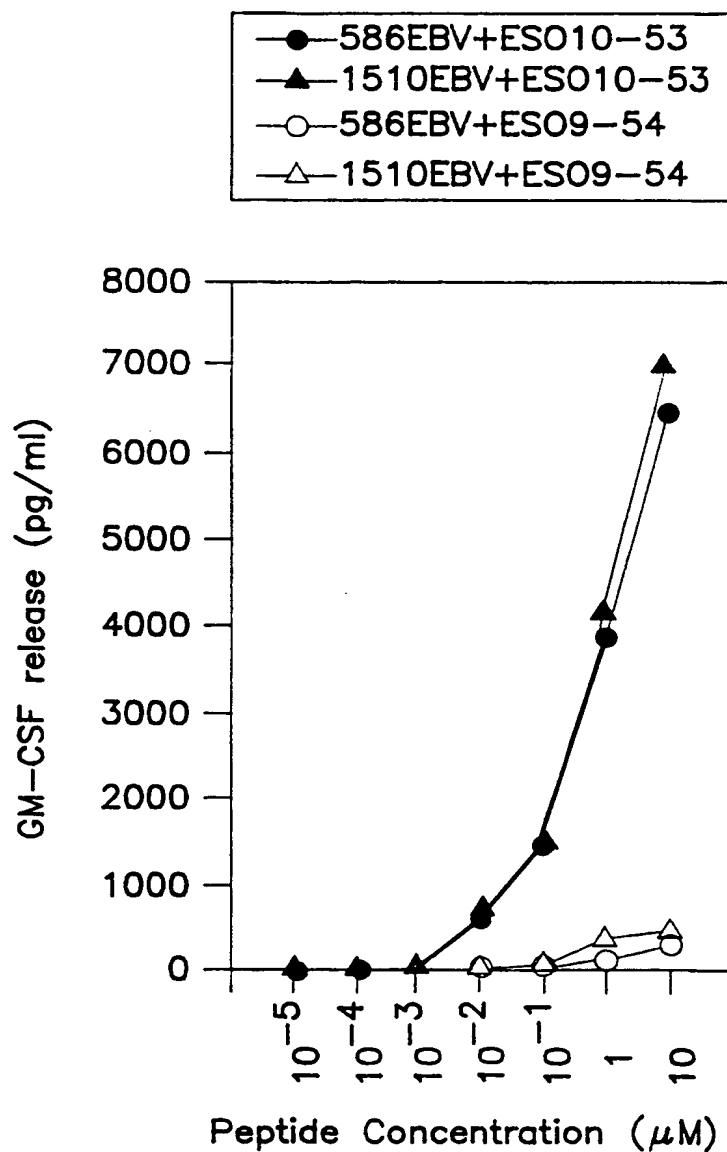


FIG. 5A



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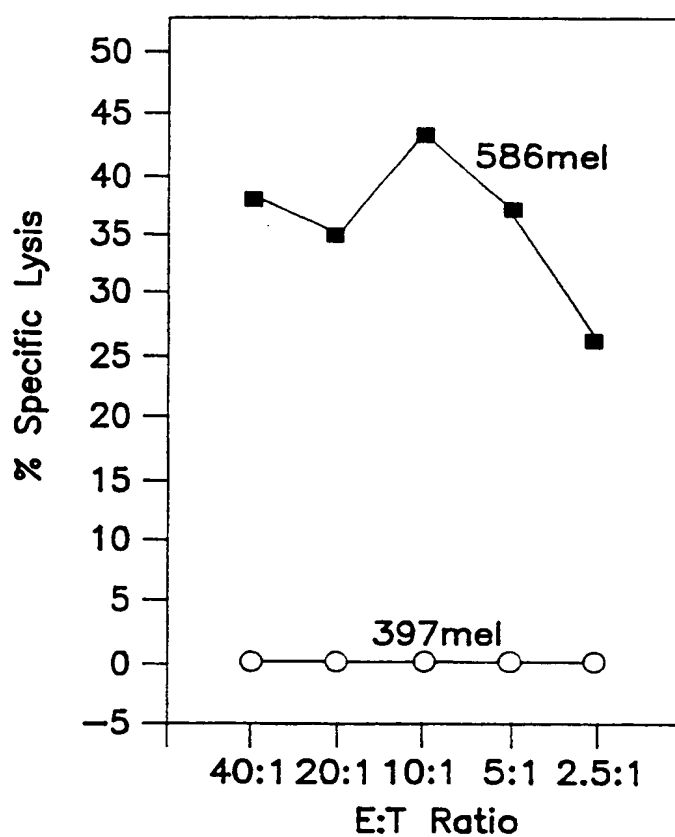


FIG. 5B



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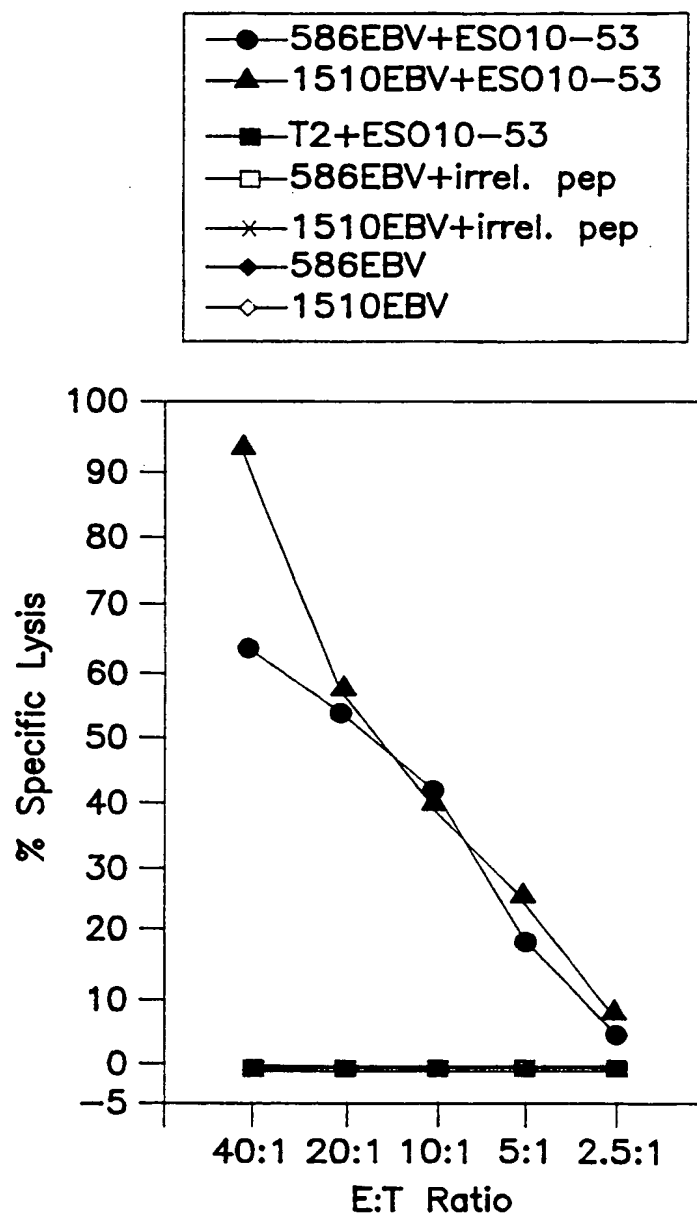


FIG. 5C



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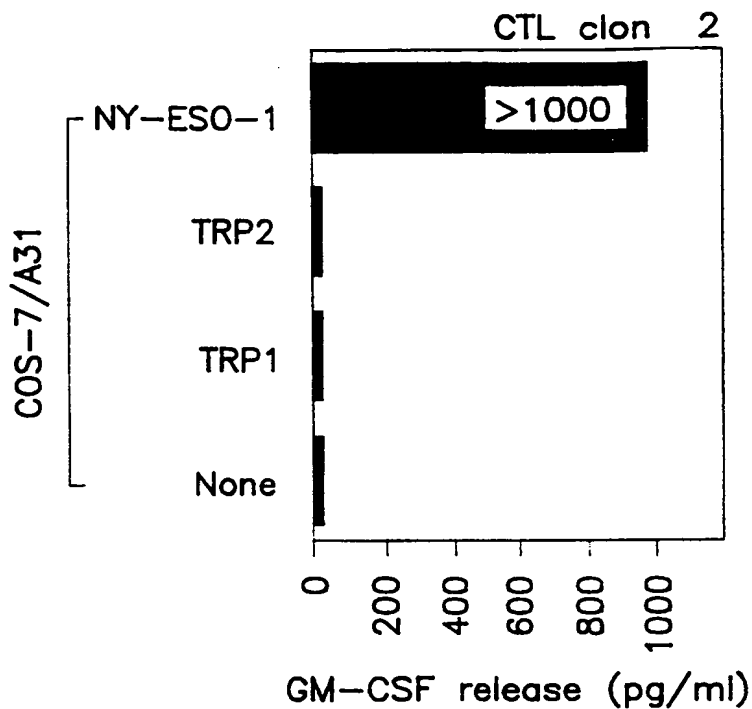


FIG. 6A

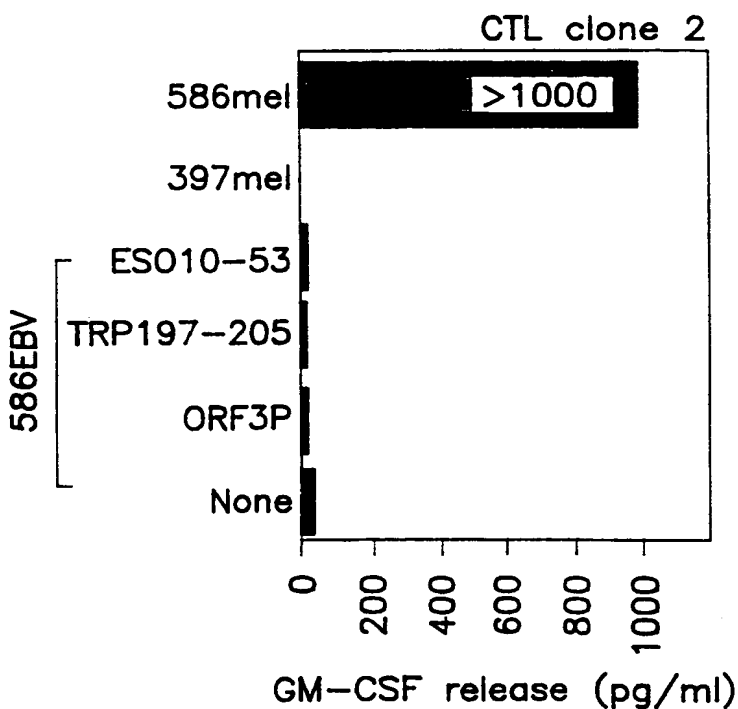


FIG. 6B



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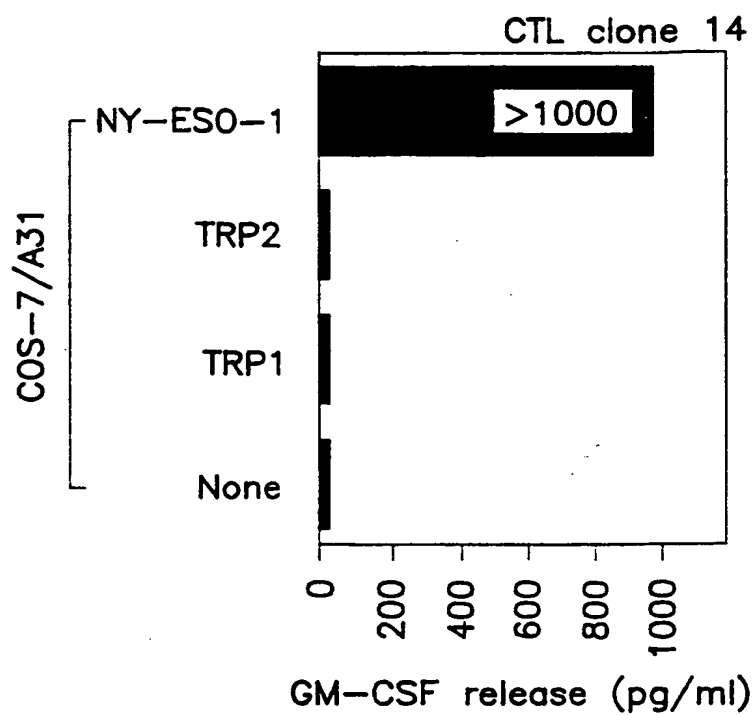


FIG. 6C

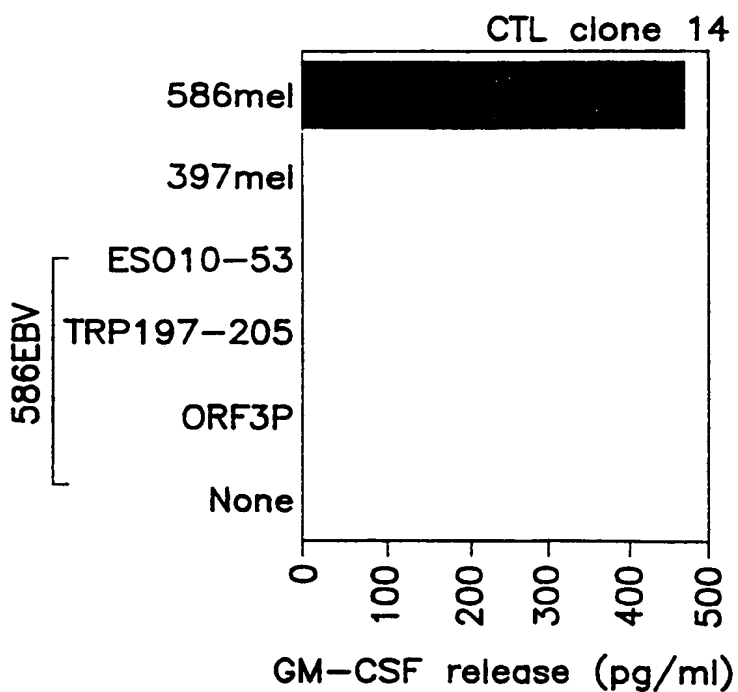


FIG. 6D



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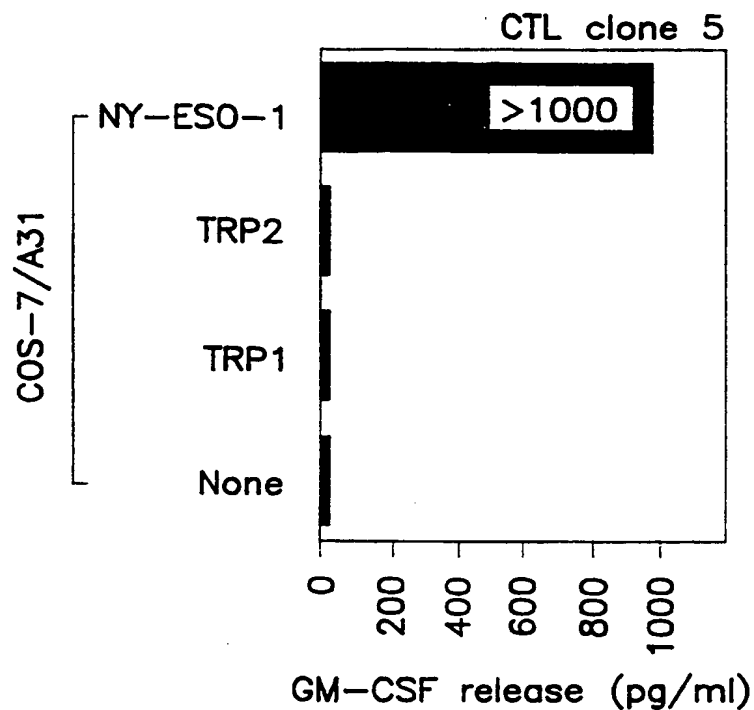


FIG. 6E

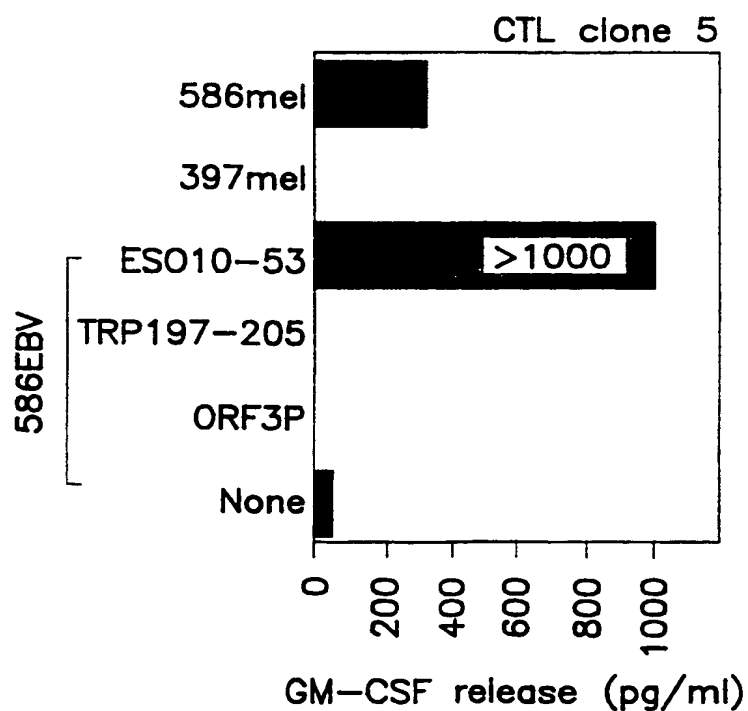


FIG. 6F



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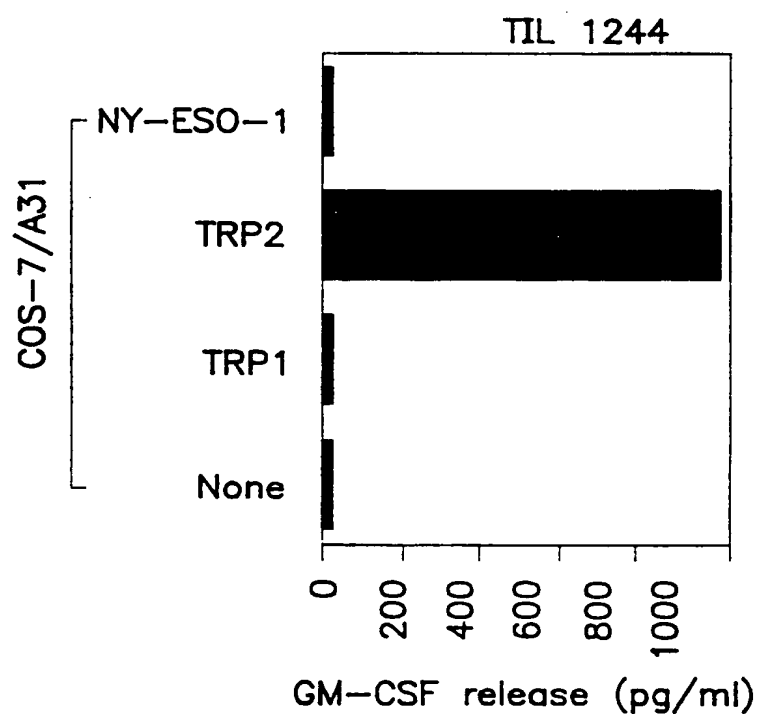


FIG. 6G

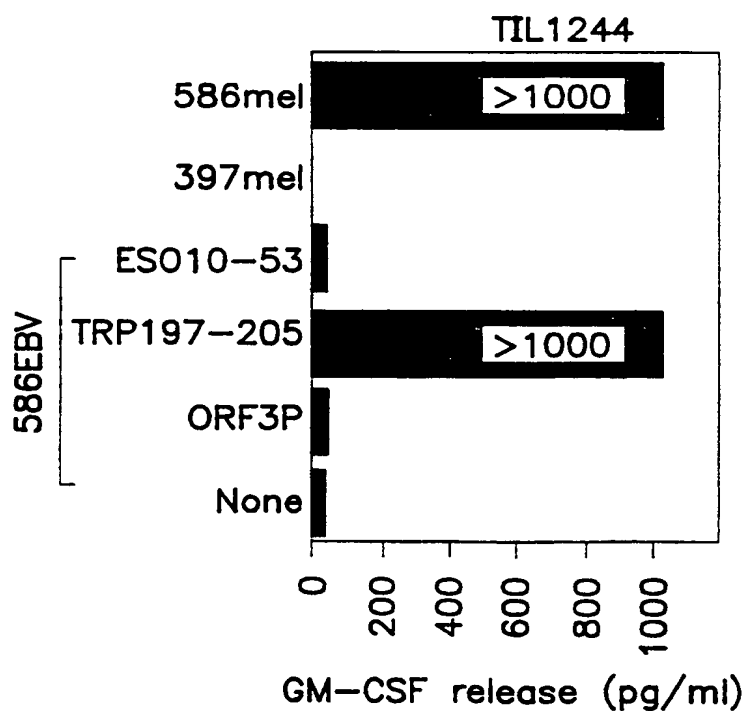


FIG. 6H



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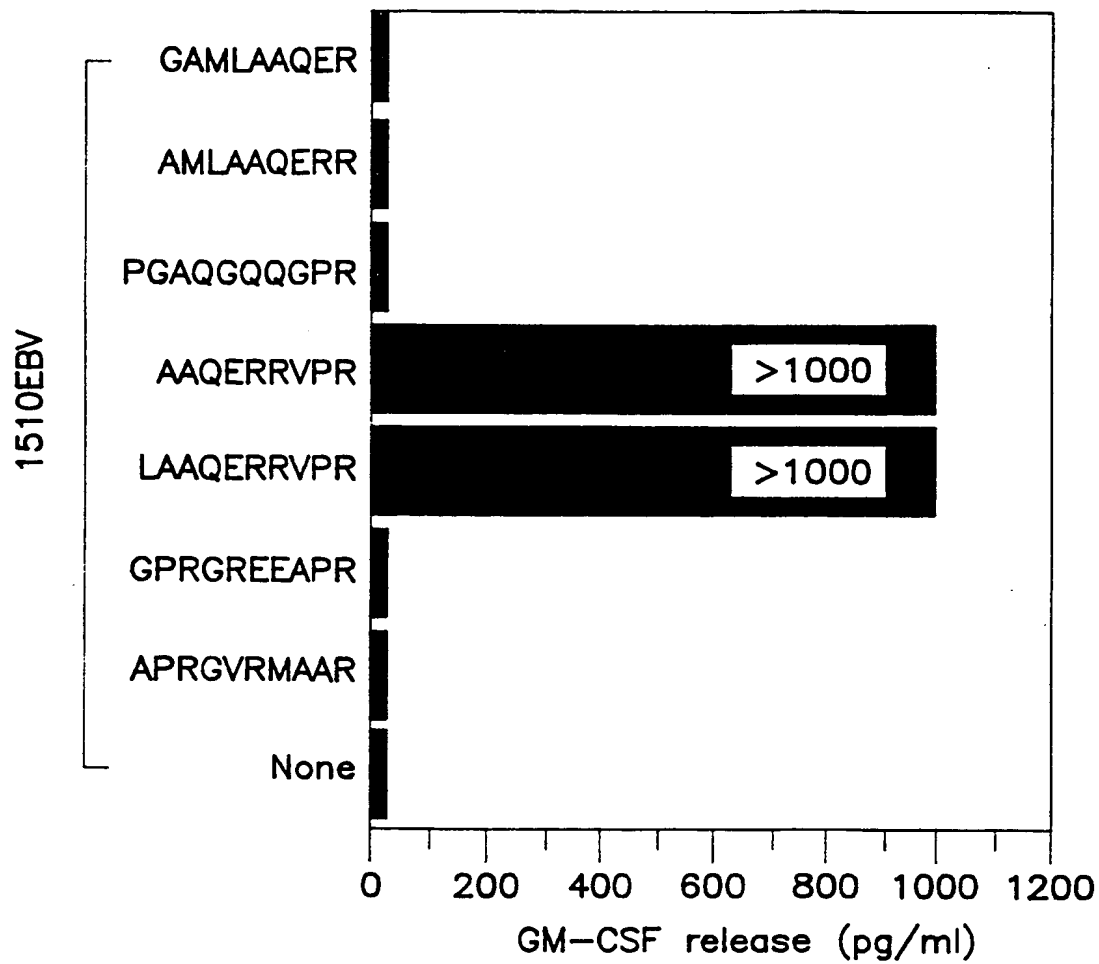


FIG. 7A



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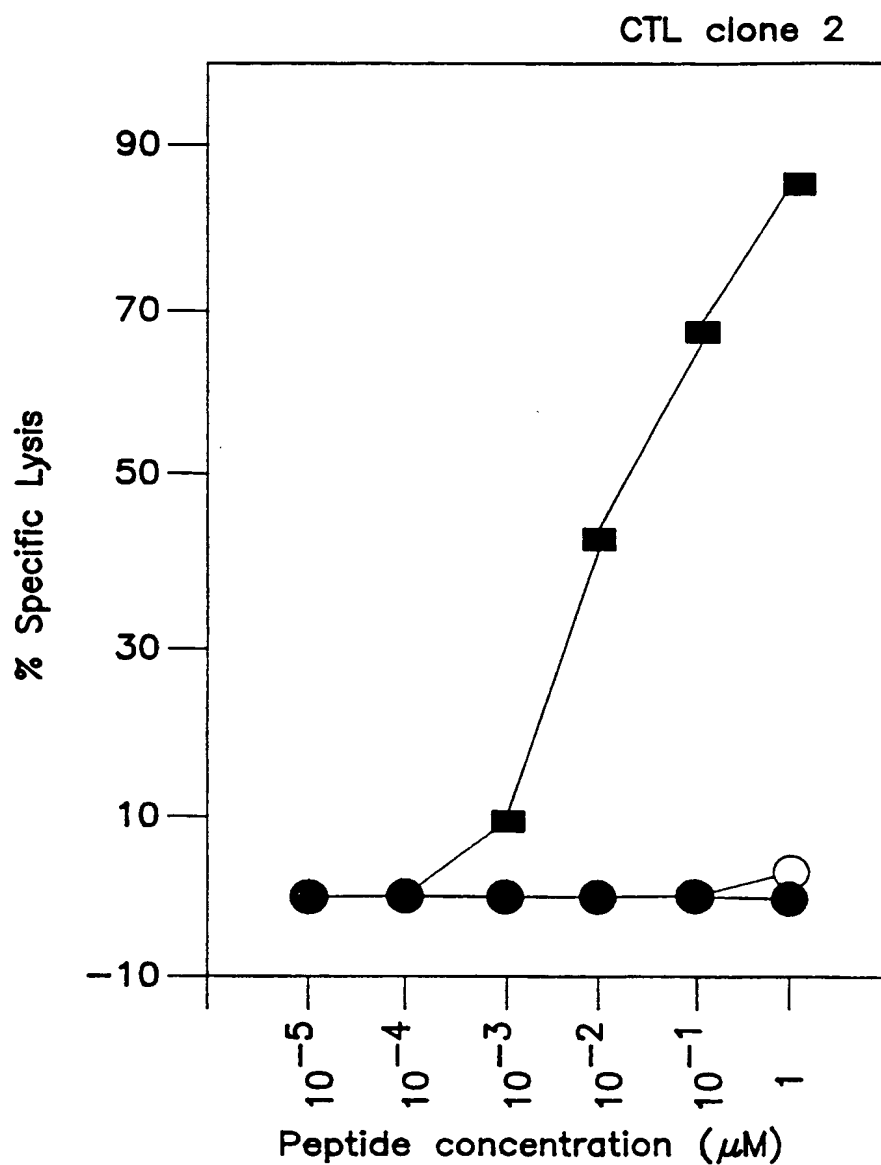


FIG. 7B



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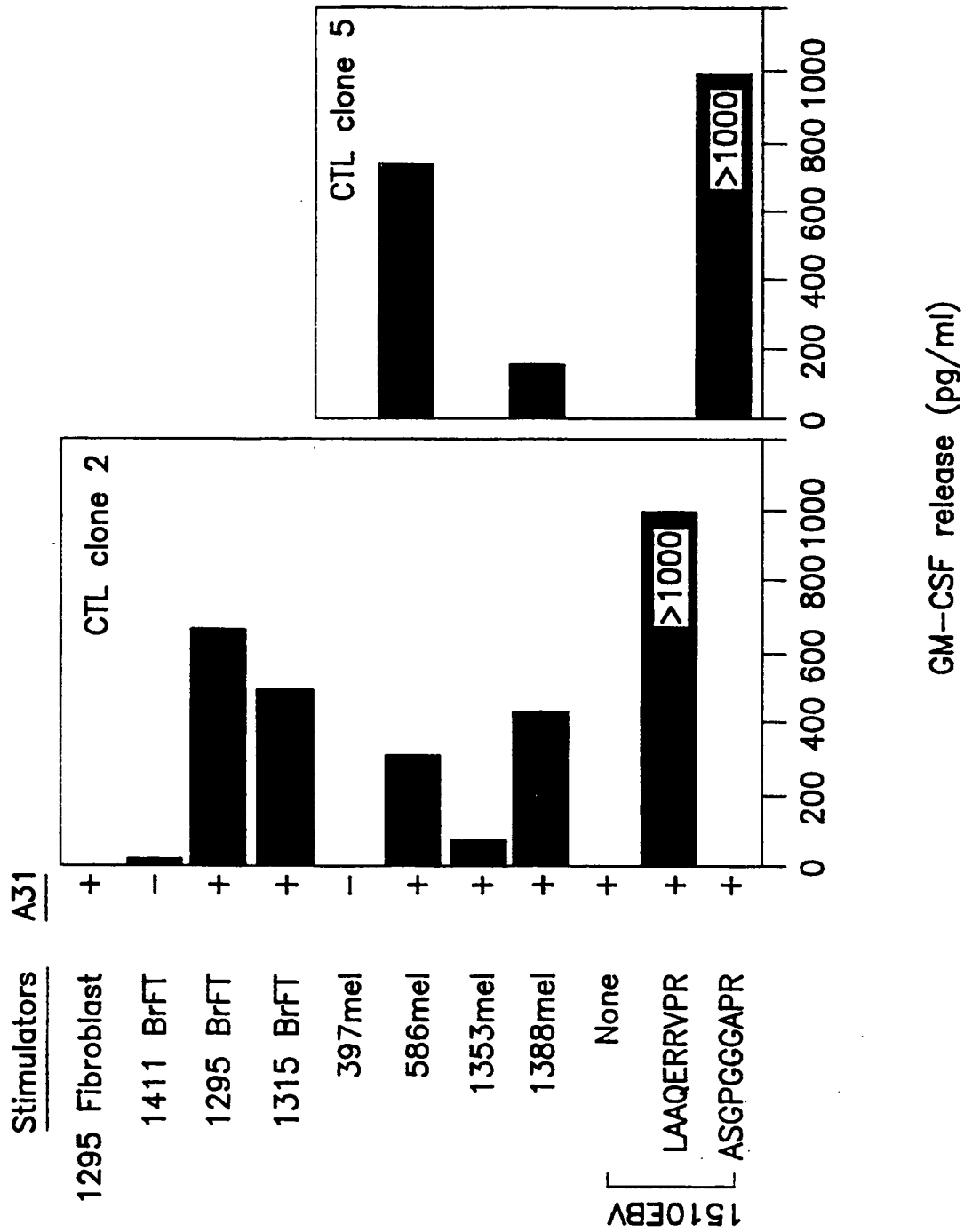


FIG. 7C